



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. IX 80  
Effective Date November 5, 1998

## SECTION V HEALTH HAZARD DATA IX 80

**Threshold Limited Value** TWA calculated: 4.7 ppm (air); 19.1 mg/m<sup>3</sup>.  
Data for TWA computation taken from ACGIH 1992-93.

**Effects of Overexposure** May be fatal if swallowed. May be harmful by inhalation or skin absorption. To the best of our knowledge, this chemical mixture's physical and toxicological properties have not been thoroughly investigated. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures** **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, then induce vomiting. Repeat until vomit fluid is clear. Get immediate medical attention. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

## SECTION VI REACTIVITY DATA

**Stability** **Unstable** **Conditions to Avoid** Excessive heat and temperature. Sparks and flame.

**Incompatibility (Materials to Avoid)** Strong oxidizers.

**Hazardous Decomposition Products** When heated to decomposition, emits toxic fumes of carbon monoxide and/or carbon dioxide.

**Hazardous Polymerization** **Conditions to Avoid** **May Occur** **Will Not Occur** Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Absorb in vermiculite, sand, earth, paper towel and place in a suitable container for incineration. Wash spill area with soap and water.

**Waste Disposal Method** Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in an approved incinerator equipped with an afterburner and scrubber.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** In the laboratory, work in a ventilation hood. In an emergency, if needed, wear a NIOSH/MSHA-approved respirator with organic canister.

**Ventilation** **Local Exhaust** Recommended. **Special** No. **Mechanical (General)** Recommended. **Other** Adequate to maintain below exposure limit.

**Protective Gloves** Rubber. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Smock, apron, eye wash station, ventilation hood, goggles, proper gloves.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool place away from strong oxidizers or fire hazards. Wash thoroughly after handling. Keep container tightly closed when not in use.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid contact with skin, eyes and mucous membranes. Do not take internally. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.  
**Revision** No. 4 **Date** 11/5/98 **Approved** Michael Raszeja **Chemical Safety Coordinator** MR  
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	INSECT LARVAE PRESERVING FLUID
<b>Chemical Synonyms</b>	FAAG Fixative
<b>Formula</b>	Mixture * - See Section II
<b>Unit Size</b>	up to 4 Lt.
<b>C.A.S. No.</b>	None assigned.

**NFPA HAZARD RATING**  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

**HEALTH** 2  
**FIRE** 3  
**REACTIVITY** 1  
**HMIS \***

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ethyl Alcohol, Denatured (95%): (CAS No. 64-17-5)	24.0%	1,000 ppm (air)
Glacial Acetic Acid: (CAS No. 64-19-7)	5.0%	10 ppm (air)
Formaldehyde (37% Soln): (CAS No. 50-00-0)	15.0%	Ceiling limit 2 ppm (air)
Glycerin: (CAS No. 56-81-5)	10.0%	30 mppcf (as mist)

## SECTION III PHYSICAL DATA

Melting Point (°F)	Data not listed.	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.0
Boiling Point (°F)	Data not listed.	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	87.9 mm @ 24°C Formaldehyde	Evaporation Rate (Water = 1)	Variable for each component.
Vapor Density (Air=1)	1.0 (Formaldehyde)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white liquid; formaldehyde odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	91°F (32.7°C) Ethyl Alcohol	<b>Flammable Limits in Air % by Volume</b>	<b>Lower</b> 3.3 <b>Upper</b> 19
<b>Extinguisher Media</b>	Carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC); water spray.		

**SPECIAL FIREFIGHTING PROCEDURES** Evacuate personnel in the area of upwind direction. Wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing.

\* Water: (CAS No. 7732-18-5).....46%  
(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 132)

**UNUSUAL FIRE AND EXPLOSION HAZARDS** Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. Burns with a clear, almost invisible flame, especially hard to see in strong sunlight.